

PROJECT 10073 RECORD CARD

1. DATE 28 March 1963		2. LOCATION 35.00N 48.00W (ATLANTIC)		12. CONCLUSIONS <input type="checkbox"/> Was Balloon <input type="checkbox"/> Probably Balloon <input type="checkbox"/> Possibly Balloon <input type="checkbox"/> Was Aircraft <input type="checkbox"/> Probably Aircraft <input type="checkbox"/> Possibly Aircraft <input type="checkbox"/> Was Astronomical <input type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical <input checked="" type="checkbox"/> Other satellite (cc)	
3. DATE-TIME GROUP Local _____ GMT 28/2150Z		4. TYPE OF OBSERVATION <input checked="" type="checkbox"/> Ground-Visual <input type="checkbox"/> Ground-Radar <input type="checkbox"/> Air-Visual <input type="checkbox"/> Air-Intercept Radar			
5. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		6. SOURCE Military			
7. LENGTH OF OBSERVATION not reported		8. NUMBER OF OBJECTS one		9. COURSE 060 dgr	
10. BRIEF SUMMARY OF SIGHTING Object described as a fast moving star sighted heading 060 dgr at 62 dgr altitude. Bearing remained constant and elevation decreased to 15 dgrs.				11. COMMENTS Sighting contains only limited information. On basis of previous rpts of this nature with the duration missing, case is evaluated as a possible satellite. Description and heading conform with this analysis. AT 2130Z 2000 000000 000000 HEADING 060 AT 550W. GEE ELEVATION 15 2000,	

28/2150Z

NAVAL MESSAGE

UNCLASSIFIED

NAVY DEPARTMENT

PRECEDENCE FLASH	(ACTION)	RELEASED BY	DRAFTED BY	EXT. NO.
FLASH	(INFO)			

AF IN : 9757 (29 Mar 63) A/crp

Z 282230Z
FM USCGC MCCULLOCH

AF DIST: ACTION: NIN-9
INFO : XOP-1, XOPX-4, SAF-OS-3, DIA-20,
DIA-CIIC-2 (48)

TO ZEN/CINCLANTFLT
RUEASN/CINNORAD
RUEASN/26NORAD
RUEAHQ/HQ USAF CNP

INFO ZEN/COMDT COGARD
ZEN/COMEASTAREA
RUECW/CNO
RUWSPG/COMEASTSEAFRON

UNCLAS

LOCATING ONE

1. UFO
2. LAT 35-00N LONG 48-00W
3. 282150Z
4. SIGHTED BEARING 060 ALTITUDE 62 DEGREES. BEARING
CONSTANT ALTITUDE DECREASED TO 15 DEGREES.
5. VISUAL
6. APPEARED TO BE FAST MOVING STAR

AF NOTE: Suspected dupe of AF IN 9710.

92....COG

SECNAV UNSECNAV ASTSECNAV(R&D) 00 09 09B 09M 09D 03 33 34 35 05 06 07
72 76 94 IP NAVAIDE FLAGPLOT BFR CMC JCS CSA CSAF CIA NIC
ADVANCE COPIES DELIVERED

CONTROL NO.	CIRCUIT NO.	PAGE	OF	PAGES	TIME OF RECEIPT	DATE TIME GROUP
62922/WH/WR/3	B237	1		1	2319Z/28 MAR 63	282230Z MAR 63

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

INCOMING

01

SMB B334

ZCHQA908ZCECA604

'4'''' ZZ RUEAHQ

DE RUECJD 097

ZNR

Z 282230Z

FM USCGC MCCULLOCH

TO ZEN/CINCLANTFLT

RUEASN/CINNORAD

RUEASN/26NORAD

RUEAHQ/HQ USAF CNP

INFO ZEN/COMDT COGARD

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USCG GRNC

BT

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5. VISUAL

6. APPEARED TO BE FAST MOVING STAR

BT NOTE : ADV CY DEL TO NIN, DIA AND XOPX

AF IN: 9710 (28 Mar 63) A/dfc

ACTION: NIN-9

INFO: XOP-1, XOPX-4, SAE-OS-3, DIA-20, DIA CIIC-2
(40)

DEPARTMENT OF THE AIR FORCE
STAFF MESSAGE BRANCH
UNCLASSIFIED MESSAGE

SMB B335

CHQA907ZCECB594

AF IN : 9712 (28Mar 63) A/dfc

01

***** ZZ RUEAHQ ACTION: NIN-9

ZNR ZFD RUECJD 099 INFO : XOP-1, XOPX-4, SAE-OS-3, DIA-20, DIA CIIC-2
(40)

***** ZZ RUEASN RUEAHQ RUECJD RUECW RUWSPG

DE RUECJD 097

ZNR

Z 282230Z

FM USCGC MCCULLOCH

TO ZEN/CINCLANTFLT

RUWGALB/CINNORAD

RUEASN/26NORAD

RUEAHQ/HQ USAF CNP

INFO ZEN/COMDT COGARD

ZEN/COMEASTAREA

RUECW/CNO

RUWSPG/COMEASTSEAFRON

USCG GRNC

BT

UNCLAS

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BT NOTE : SUSP DUPE OF AF IN 9710 (28Mar 63)

EQUATOR S-N		SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES							
TIME	LONG.	LAT.	TIME	LONG.	HT.	BEAR.	TIME	LONG.	HT.
(UT)	(W)		CORR.	CORR. (MI)	(IN-E)		CORR.	CORR. (MI)	(IN-E)
MARCH 24, 1963									
0 5.7	105.07	47.4	29.0	-87.65	933	90.0	29.0	-87.67	933
2 6.1	113.27	45.0	23.8	-69.77	934	72.4*	34.2	-104.97	930
3 59.5	162.57	50.0	19.6	-45.90	934	60.7*	38.4	-119.93	927
5 55.0	191.57	35.0	16.5	-35.88	933	54.0*	41.5	-129.65	924
7 50.4	220.87	10.0	13.8	-27.56	932	49.4*	44.2	-136.73	921
9 45.8	230.06	20.0	8.0	-17.28	930	43.7*	49.0	-149.06	917
11 41.3	239.26	0.0	0.0	0.0	927	39.0*	57.9	-165.36	912
13 36.7	248.55	-20.0	-8.9	17.29	925	43.7*	-48.9	148.10	911
15 32.1	257.85	-30.0	-13.8	28.57	924	49.4*	-44.0	136.82	913
17 27.5	267.15	-40.0	-16.4	35.89	924	54.0*	-41.4	129.49	914
19 23.0	276.45	-50.0	-19.5	45.51	923	60.7*	-38.4	119.93	916
21 18.4	285.75	-60.0	-23.7	60.79	922	72.4*	-34.2	104.97	918
23 13.8	295.05	-70.0	-29.9	82.67	920	90.0	-29.9	92.71	920
MARCH 25, 1963									
1 4.3	123.45	47.4	29.0	-87.65	933	90.0	29.0	-87.70	933
3 5.7	132.75	45.0	23.7	-69.78	931	72.4*	35.2	-104.98	929
5 5.0	142.05	40.0	19.5	-45.91	931	60.7*	38.5	-119.94	926
7 5.6	151.35	35.0	16.5	-35.89	930	54.0*	41.5	-129.66	923
9 5.6	160.65	30.0	13.8	-27.57	929	49.4*	44.2	-136.74	920
11 5.8	169.95	25.0	10.0	-17.29	927	43.7*	49.0	-149.07	917
13 6.1	179.25	20.0	6.0	0.0	924	39.0*	57.8	-165.37	913
15 6.4	188.55	15.0	2.0	17.29	923	43.7*	-48.9	148.11	911
17 6.7	197.85	10.0	-2.0	28.57	923	49.4*	-44.0	136.83	913
19 6.9	207.15	5.0	-6.0	35.89	923	54.0*	-41.4	129.50	914
21 7.2	216.45	0.0	-10.0	45.52	923	60.7*	-38.4	119.94	916
23 7.5	225.75	-5.0	-14.0	60.79	923	72.4*	-34.2	104.98	918
MARCH 26, 1963									
1 8.0	235.05	-10.0	-18.0	82.67	922	90.0	-29.9	92.71	922
MARCH 27, 1963									
1 9.0	244.35	-15.0	-22.0	97.97	920	90.0	-29.9	92.71	922
MARCH 28, 1963									
1 10.0	253.65	-20.0	-26.0	113.27	918	90.0	-29.9	92.71	922
MARCH 29, 1963									
1 11.0	262.95	-25.0	-30.0	129.49	916	90.0	-29.9	92.71	922
MARCH 30, 1963									
1 12.0	272.25	-30.0	-34.0	145.71	914	90.0	-29.9	92.71	922
MARCH 31, 1963									
1 13.0	281.55	-35.0	-38.0	161.93	912	90.0	-29.9	92.71	922

EQUATOR S-N		SATELLITE 1960 IOTA 1 FOR OTHER LATITUDES							
TIME	LONG.	LAT.	TIME	LONG.	HT.	BEAR.	TIME	LONG.	HT.
(UT)	(W)		CORR.	CORR. (MI)	(IN-E)		CORR.	CORR. (MI)	(IN-E)
MARCH 28, 1963									
0 20.9	125.00	47.4	28.8	-82.68	924	90.0*	28.8	-82.72	924
2 15.7	153.20	45.0	23.7	-60.80	923	72.4*	34.1	-104.60	924
4 11.7	182.30	40.0	19.5	-45.91	921	60.7*	36.2	-119.87	923
6 8.6	211.40	35.0	16.4	-35.91	920	54.0*	41.3	-129.49	923
8 5.0	240.80	30.0	13.7	-28.59	919	49.4*	44.0	-136.82	922
9 52.5	270.00	20.0	8.9	-17.29	918	43.7*	48.9	-148.10	921
11 52.8	299.20	0.0	0.0	0.0	917	39.0*	57.7	-165.40	921
13 48.3	328.40	-20.0	-8.9	17.29	921	43.7*	-48.9	148.08	924
15 43.8	357.60	-30.0	-13.7	28.57	923	49.4*	-44.1	136.80	926
17 39.2	386.80	-40.0	-16.4	35.89	923	54.0*	-41.4	129.47	927
19 34.6	416.00	-50.0	-19.5	45.52	924	60.7*	-38.4	119.86	928
21 30.1	445.20	-60.0	-23.7	60.79	923	72.4*	-34.1	104.59	929
23 25.5	474.40	-70.0	-29.9	82.67	922	90.0*	-29.9	92.71	929
MARCH 29, 1963									
1 20.9	134.50	47.4	28.8	-82.68	920	90.0*	28.8	-82.73	920
3 15.8	162.70	45.0	24.6	-60.80	919	72.4*	34.0	-104.61	921
5 11.8	190.90	40.0	19.5	-45.91	918	60.7*	36.2	-119.88	921
7 8.7	219.10	35.0	16.4	-35.91	917	54.0*	41.3	-129.50	921
9 5.6	247.30	30.0	13.7	-28.59	916	49.4*	44.0	-136.83	921
11 52.5	275.50	20.0	8.9	-17.29	915	43.7*	48.8	-148.09	921
13 48.3	303.70	0.0	0.0	0.0	916	39.0*	57.7	-165.41	922
15 43.8	331.90	-20.0	-8.9	17.29	921	43.7*	-48.9	148.07	927
17 39.2	360.10	-30.0	-13.7	28.57	923	49.4*	-44.1	136.79	929
19 34.6	388.30	-40.0	-16.4	35.89	923	54.0*	-41.4	129.47	930
21 30.1	416.50	-50.0	-19.5	45.52	924	60.7*	-38.4	119.85	932
23 25.5	444.70	-60.0	-23.7	60.79	923	72.4*	-34.1	104.59	933
MARCH 30, 1963									
1 20.9	473.70	-70.0	-29.9	82.67	922	90.0*	-29.9	92.71	933
MARCH 31, 1963									
1 20.9	502.90	-80.0	-34.0	97.97	920	90.0*	-29.9	92.71	933

WANTED ORBITAL ELEMENTS FOR EARTH SATELLITE 1960 IOTA 1

RECEIVED DATE 1963 Y. M D H M S O R A L M D T

TIME (UT) AT 00 HRS

LONGITUDE (W) AT 00 HRS

ALTITUDE (FT) AT 00 HRS

VELOCITY (FT/SEC) AT 00 HRS

ACCELERATION (FT/SEC²) AT 00 HRS

PERIOD (HRS) AT 00 HRS

PERIOD (MIN) AT 00 HRS

PERIOD (SEC) AT 00 HRS

PERIOD (MILL) AT 00 HRS

PERIOD (MICRO) AT 00 HRS

PERIOD (NANO) AT 00 HRS

PERIOD (PICO) AT 00 HRS

PERIOD (FEMTO) AT 00 HRS

PERIOD (ATTO) AT 00 HRS

PERIOD (ZEPHO) AT 00 HRS

PERIOD (YOKTO) AT 00 HRS

PERIOD (SEXTO) AT 00 HRS

PERIOD (SEPTO) AT 00 HRS

PERIOD (OCTO) AT 00 HRS

PERIOD (NONO) AT 00 HRS

PERIOD (DECA) AT 00 HRS

PERIOD (HECTO) AT 00 HRS

PERIOD (KILO) AT 00 HRS

PERIOD (MEGA) AT 00 HRS

PERIOD (GIGA) AT 00 HRS

PERIOD (TERA) AT 00 HRS

PERIOD (PETA) AT 00 HRS

PERIOD (EXA) AT 00 HRS

PERIOD (ZETTA) AT 00 HRS

PERIOD (YOTTA) AT 00 HRS

PERIOD (JOCTA) AT 00 HRS

PERIOD (KAWA) AT 00 HRS

PERIOD (MANTA) AT 00 HRS

PERIOD (NINJA) AT 00 HRS

PERIOD (SAMURAI) AT 00 HRS

PERIOD (SHOGUN) AT 00 HRS

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